

FIG. 1

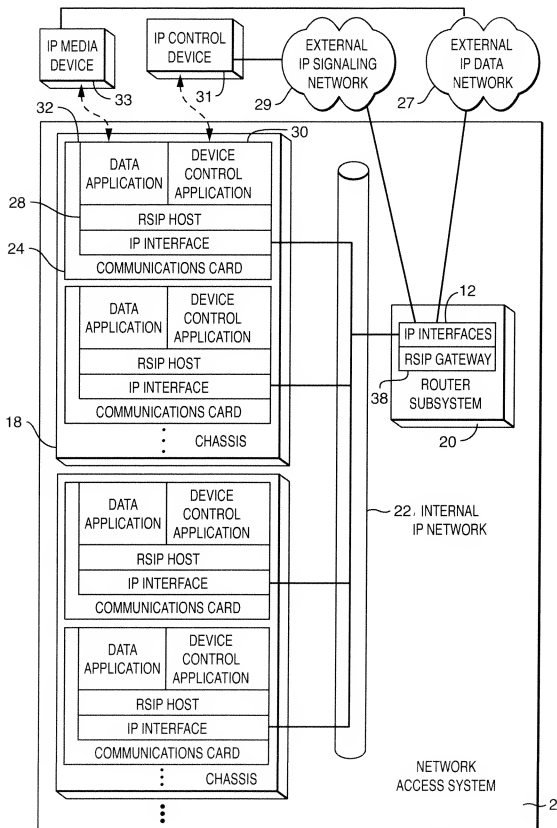


FIG. 2

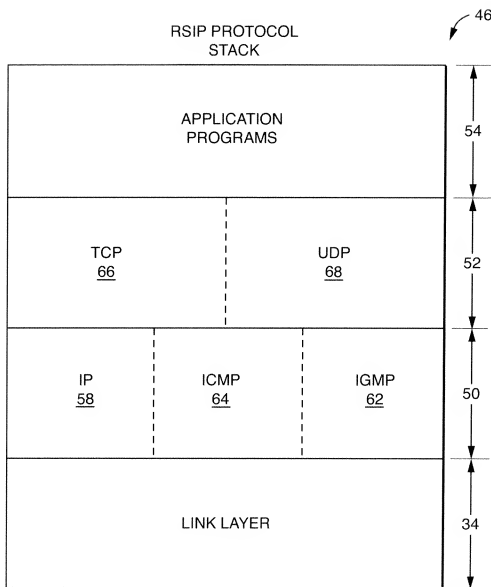


FIG. 3

REALM SPECIFIC INTERNET PROTOCOL (RSIP) MESSAGES

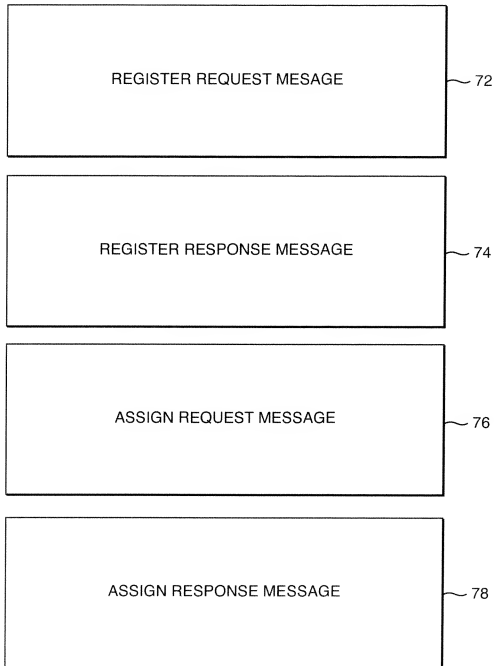


FIG. 4

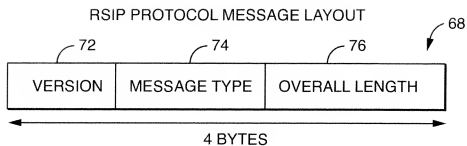


FIG. 5

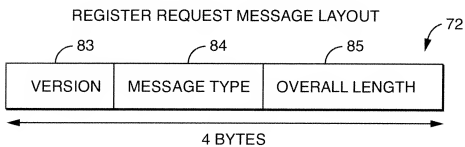


FIG. 6

REGISTER RESPONSE MESSAGE LAYOUT

VERSION	MESSAGE TYPE	OVERALL LENGTH		
CODE	LENGTH		VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)			CODE	FLOW
LENGTH		LOCAL	REMOTE	POLICY
CODE	LENGTH	VALUE		RSIP METHOD
CODE	LENGTH	VALUE		TUNNEL TYPE

4 BYTES

FIG. 7

ASSIGN REQUEST MESSAGE LAYOUT

VERSION	TYPE	LENGTH		
CODE	LENGTH		VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)			CODE	
LENGTH		TYPE		LOCAL
VARIABLE LENGTH VALUE				ADDRESS
METHOD DEPENDENT FIELDS				

4 BYTES

FIG. 8

RSA-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			ADDRESS
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			PORTS
CODE	LENGTH	VALUE	[LEASE TIME]
LEASE TIME VALUE CONT'D		CODE	[TUNNEL
LENGTH	VALUE		TYPE]

4 BYTES

FIG. 9

RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	NUMBER	LOCAL
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			PORTS
CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			ADDRESS
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			PORTS
CODE	LENGTH	VALUE	[LEASE TIME]
LEASE TIME VALUE CONT'D		CODE	[TUNNEL
LENGTH	VALUE		TYPE]

4 BYTES

FIG. 10

ASSIGN RESPONSE MESSAGE LAYOUT

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH		VALUE	BIND ID
BIND ID VALUE CONT'D		CODE	LENGTH
LENGTH CONT'D		TYPE	VARIABLE LENGTH VALUE
METHOD DEPENDENT FIELDS			

4 BYTES

FIG. 11

RSA-IP ASSIGN RESPONSE MESSAGE LAYOUT

CODE	LENGTH	TYPE	REMOTE ADDRESS
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	LEASE TIME
LEASE TIME VALUE CONT'D		CODE	TUNNEL TYPE
LENGTH	VALUE		

4 BYTES

FIG. 12

RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	NUMBER	LOCAL PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	TYPE	REMOTE ADDRESS
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	LEASE TIME
LEASE TIME VALUE CONT'D		CODE	TUNNEL TYPE
LENGTH	VALUE		

4 BYTES

FIG. 13

112

44	COMBINATION NETWORK ADDRESS	42
EXTERNAL NETWORK ADDRESS (E.G., EXTERNAL IP ADDRESS)	LOCALLY UNIQUE PORT	
198.10.20.30	1032	

FIG. 14

122

126	128	130
INTERNAL NETWORK ADDRESS	LOWEST PORT	NUMBER OF PORTS
10.0.0.1	1026	32
10.0.0.3	1057	16

PORT-TO-INTERNAL-NETWORK
 ADDRESS TABLE

FIG. 15

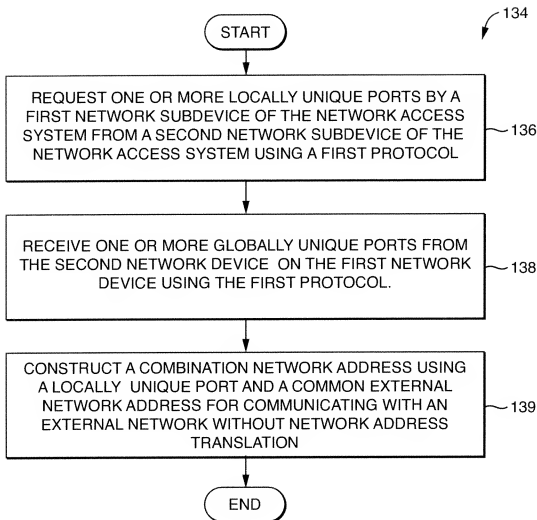


FIG. 16

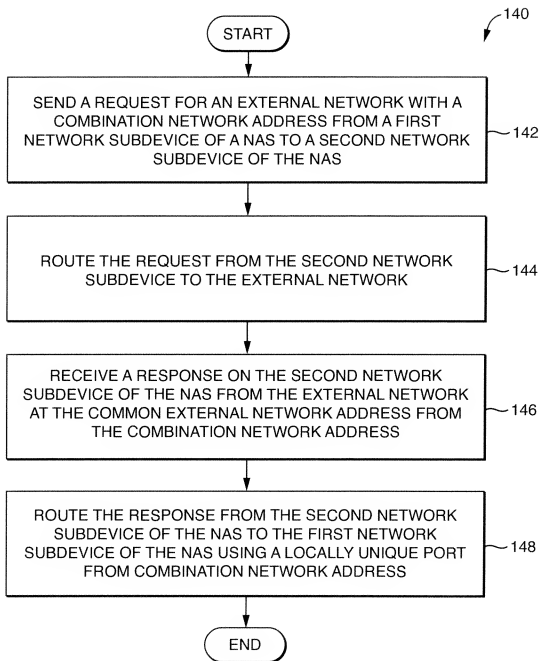


FIG. 17